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Docket No.: 4752-010

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

Inventor(s): Toshihiko HIROOKA et al.

Confirmation No. 6593

U.S. Patent Application No. 10/562,163

Group Art Unit: N/A

Filed: December 23, 2005

Examiner: N/A

For: OTDM TRANSMISSION METHOD AND APPARATUS

International Preliminary Report

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

Attached is the English Translation of International Preliminary Examination Report.

Respectfully submitted,

LOWE HAUPTMAN & BERNER, LLP

Kenneth M. Berner

Registration No. 37,093

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HASHIZUME, Takeshi 13-17, Ginza 3-chome Chuo-ku Tokyo 104-0061 JAPON

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Applicant JAPAN SCIE	NCE AND TECHNOLOGY AGENCY et al
International application No. PCT/JP2004/003957	International filing date (day/month/yeur) 23 March 2004 (23.03.2004)
Applicant's or agent's file reference P0734PC	IMPORTANT NOTIFICATION
Date of mailing (day/month/year) 23 March 2006 (23.03.2006)	

ı	Transmittal	of the	translation	to	the	applicant.

e International Bureau transmits herewith a copy of the English translation of the international preliminary report of tentability (Chapter I).

The International Bureau transmits herewith a copy of the English translation of the international preliminary report on patentability (Chapter II).

2. Transmittal of the copy of the translation to the designated or elected Offices.

The International Bureau notifies the applicant that copies of that translation have been transmitted to the following designated or elected Offices requiring such translation:

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3. Reminder regarding translation into (one of) the official language(s) of the elected Office(s).

The applicant is reminded that, where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary report on patentability (Chapter II).

It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned within the applicable time limit (Rule 74.1). See Volume II of the PCT Applicant's Guide for further details.

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Authorized officer

Masashi Honda

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PATENT COOPERATION TREATY

Translation Internation

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INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference P0734PC	FOR FURTHER A	ACTION	See Form PCT/IPEA/416			
International application No.	· International filing de	ate (day/month/year)	Priority date (day/month/vear)			
PCT/JP2004/0039	57 23.03.200	4	26.06.2003			
International Patent Classification	(IPC) or national classification and	IPC:				
International Patent Classification (IPC) or national classification and IPC						
Applicant JAPAN SCIENCE AND TECHNOLOGY AGENCY						
	ntional preliminary examination resmitted to the applicant according t		nternational Preliminary Examining Authority			
2. This REPORT consists o	fatotal of 3	sheets, including	this cover sheet.			
3. This report is also accom	panied by ANNEXES, comprising	:				
a. (sent to the co	uplicant and to the International Bi	reau) a total of 2	sheets, as follows:			
□ sheets o	f the description, claims and/or dra omaining rectifications authorized	wings which have been ar	mended and are the basis for this report and/or e 70.16 and Section 607 of the Administrative			
sheets w the disc Box.	sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. 1 and the Supplemental					
	nternational Bureau only) a total of	tindicate ture and number	of electronic corrien(s))			
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	in computer rendable form only, a the Administrative Instructions).	s indicated in the Supplem	containing a sequence listing and/or tables nental Box Relating to Sequence Listing (see			
4. This report contains indic	cations relating to the following iter	ns:				
Box No. 1	Basis of the report		·			
Box No. 11	Priority					
Box No. III	Non-establishment of opinion with	regard to novelty, inventi	ve step and industrial applicability			
Box No. IV	Lack of unity of invention					
Box No. V	Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability: citations and explanations supporting such statement					
Box No. VI	Certain documents cited					
Box No. VII	VII Certain defects in the international application					
Box No. VIII Certain observations on the international application						
Date of submission of the demand		Date of completion of this	s report			
Name and mailing address of the H	PEA/JP	Authorized officer				
Faccimile No		Telephone No				

Form PCT/IPEA/409 (cover sheet) (January 2004)

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INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

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PCT/JP2004/00395
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Box N	lo. 1	Basis of the report				
		to the language, this report is based on the internation	nal application in the language in which	it was filed, unless otherwise		
	This report is based on translations from the original language into the following language which is the language of a translation furnished for the purposes of: international search (Rule 12.3 and 23.1(b)) publication of the international application (Rule 12.4) international preliminary examination (Rule 55.2 and/or 55.3)					
	receiving O his report): the int	ternational application as originally filed/furnished	report is based on (reputeement sneets v e referred to in this report as "original	vsiten nove been jurnsuce to the ly filed" and are not annexed to		
<u> </u>	pages			as originally filed/furnished		
	buses,					
_	pages	*	received by this Authority on			
D	∐ the cia	ins:				
	nos.	2-5		as originally filed/furnished		
	nos.*		as amended (together with	any statement) under Article 19		
	nos.*	1,6	received by this Authority on 26.0	04.2005		
	1308.*		received by this Authority on			
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	a sequ	ence listing and/or any related table(s) - see Supplem				
. 5	71	mendments have resulted in the cancellation of:	V	0		
2		the description, pages				
		the sequence listing (specify):				
		any table(s) related to sequence listing (specify): eport has been established as if (some of) the amend	ments appeared to this report and listed	helow had not been made, since		
	ihey h	ave been considered to go beyond the disclosure as fil	ed as indicated in the Supplemental Bo	(Rule 70.2(c)).		
	_ ∐ '	the description, pages				
		he claims, nos.				
	<u> </u>	he drawings, sheets/figs				
		he sequence listing (specify):				
		nny table(s) related to sequence listing (specify):				
* 11	fisem 4 app	lies, some or all of those sheets may be marked "supe	rseded."			

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INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International	application No.
PCT/	JP2004/003957

Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability: citations and explanations supporting such statement				ep or industrial applicability:	
J.	Statement				
	Novelt	y (N)	Claims	1-6	YES
			Claims		NO.
	Inventi	ve step (IS)	Claims	1-6	YES
			Claims		мо
	Industr	ial applicability (IA)	Claims	1-6	YES
			Claims		NO NO

2. Citations and explanations (Rule 70.7)

(1) Citations

- Document 1: Toshikazu SAKANO et al., "Large-dispersion tolerance optical signal transmission system based on temporal imaging," Optics Letters,
 Vol. 27, No. 8, pages 583 to 585, 15 April 2002
- Document 2: Brian H. KOLNER, "Space-Time Duality and the
 Theory of Temporal Imaging," IEEE Journal of
 Quantum Electronics, Vol. 30, No. 8, pages 1951
 to 1963, August 1994
- Document 3: JP 2002-250828 A (Nippon Telegraph and Telephone Corporation), 06 September 2002, entire text, all drawings
- Document 4: JP 2003-051809 A (Nippon Telegraph and Telephone Corporation), 21 February 2003, entire text, all drawings

(2) Explanations

The inventions that are set forth in claims 1 to 7 are not disclosed in the documents that are cited in the international search report or in any of the abovementioned documents, and would not have been obvious to a person skilled in the art.

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